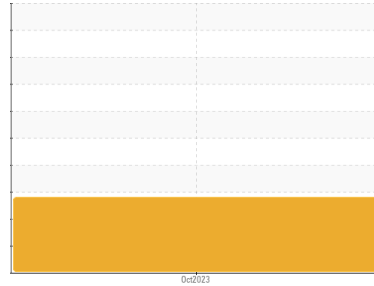


PROBLEM SUMMARY

Sample Rating Trend



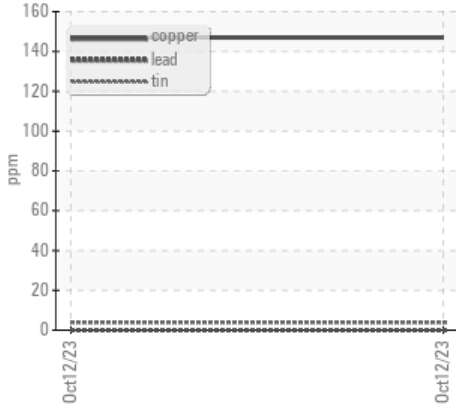
WEAR



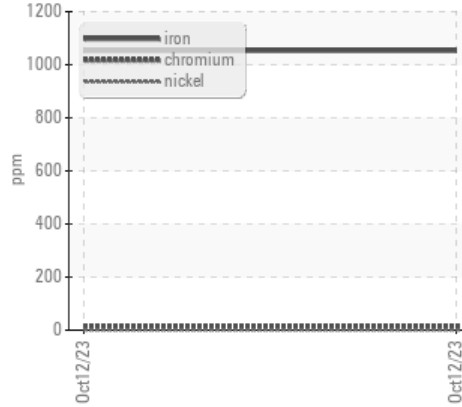
Machine Id
WIRTGEN W210FI 23200362
Component
Front Left Final Drive
Fluid
VG 220 (--- GAL)

COMPONENT CONDITION SUMMARY

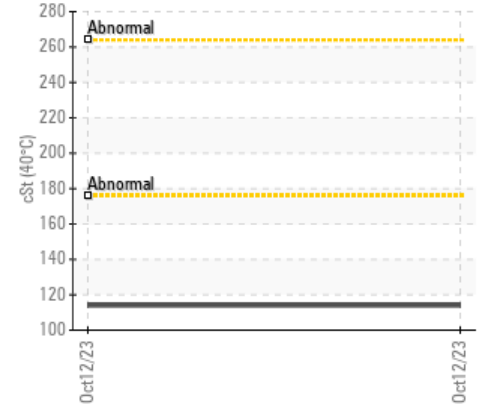
▲ Non-ferrous Metals



▲ Ferrous Alloys



▲ Viscosity @ 40°C



RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	Unit	ASTM	Value	ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 1053	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 14	---	---
Copper	ppm	ASTM D5185m	>50	▲ 147	---	---
Visc @ 40°C	cSt	ASTM D445		▲ 114	---	---

Customer Id: JAMASH
Sample No.: JR0180105
Lab Number: 05979958
Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
WIRTGEN W210FI 23200362
Component
Front Left Final Drive
Fluid
VG 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

Bearing and/or gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0180105	---	---
Sample Date	Client Info		12 Oct 2023	---	---
Machine Age	hrs	Client Info	2281	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

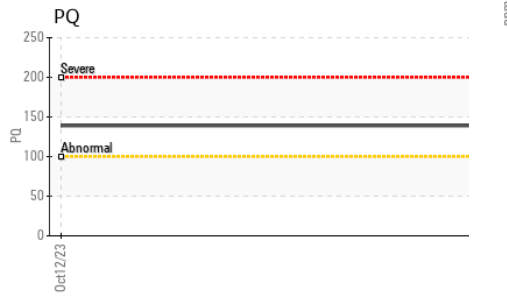
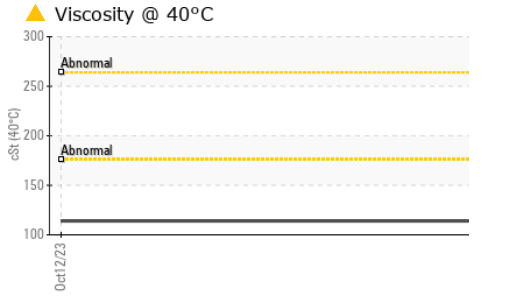
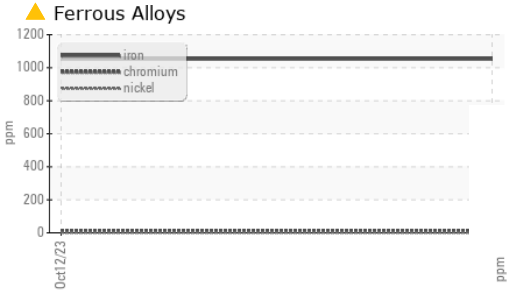
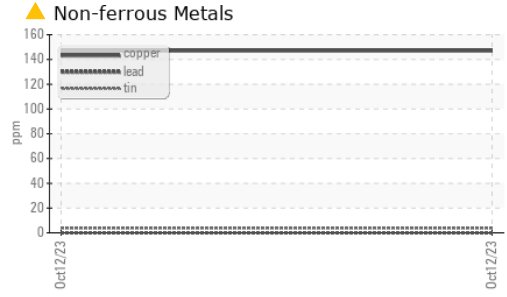
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		139	---	---
Iron	ppm	ASTM D5185m >500	▲ 1053	---	---
Chromium	ppm	ASTM D5185m >10	▲ 14	---	---
Nickel	ppm	ASTM D5185m >10	1	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	3	---	---
Lead	ppm	ASTM D5185m >25	0	---	---
Copper	ppm	ASTM D5185m >50	▲ 147	---	---
Tin	ppm	ASTM D5185m >10	4	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	224	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	8	---	---
Magnesium	ppm	ASTM D5185m	11	---	---
Calcium	ppm	ASTM D5185m	56	---	---
Phosphorus	ppm	ASTM D5185m	1384	---	---
Zinc	ppm	ASTM D5185m	43	---	---
Sulfur	ppm	ASTM D5185m	26542	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	17	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	NONE	---	---
Debris	scalar	*Visual NONE	NONE	---	---
Sand/Dirt	scalar	*Visual NONE	NONE	---	---
Appearance	scalar	*Visual NORML	NORML	---	---
Odor	scalar	*Visual NORML	NORML	---	---
Emulsified Water	scalar	*Visual >0.2	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

OIL ANALYSIS REPORT



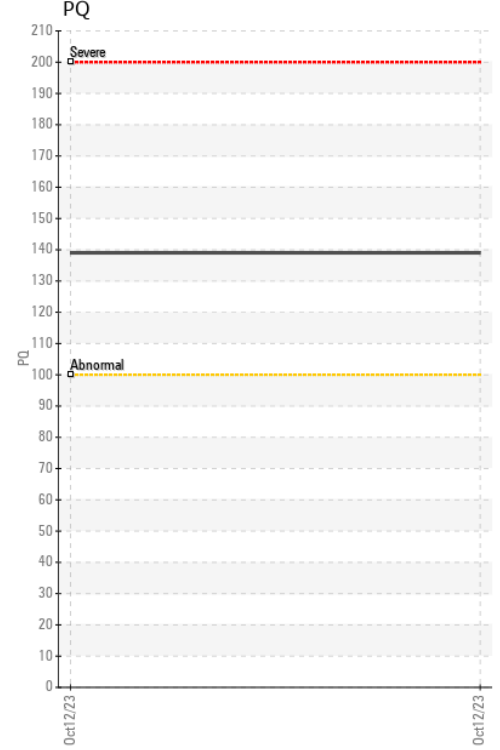
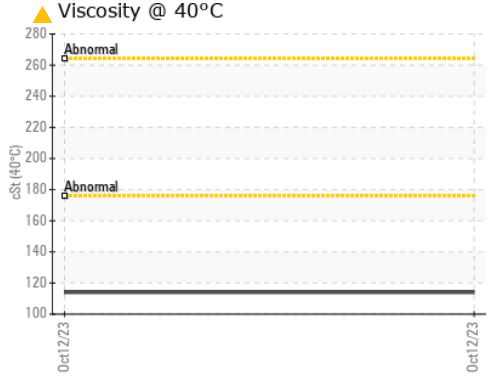
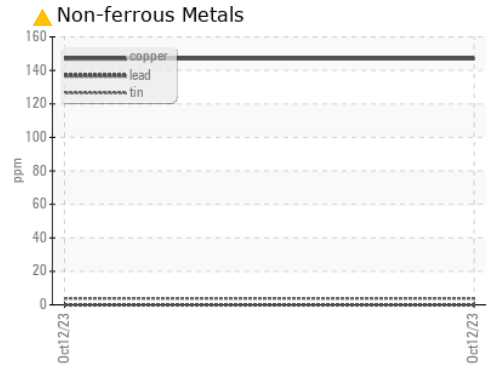
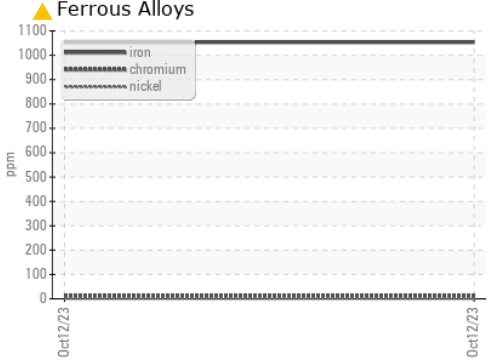
FLUID PROPERTIES	method	limit/base	current	history1	history2
------------------	--------	------------	---------	----------	----------

Visc @ 40°C	cSt	ASTM D445	▲ 114	---	---
-------------	-----	-----------	-------	-----	-----

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0180105 **Received** : 16 Oct 2023
Lab Number : 05979958 **Diagnosed** : 18 Oct 2023
Unique Number : 10697253 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292